AEROSPACE AMERICA

Index
Vol. 32, Nos 1-12

Subjects

AIRCRAFT DESIGN AND TECHNOLOGY

Mach 2 and more, Jan., p. 16.
Gripen crash raises canard fears, Feb., p. 10.
A cool breeze at Boeing, Feb., p. 42.
C-17 brings new era in airlift, March, p. 26.
Massively parallel supercomputers: Has their time come?, May, p. 16.
Big Picture moves a step closer, May, p. 4.
Discord among new Concorde planners, June, p. 8.
Twisting smartly in the wind, July, p. 18.
Ozone, skin cancer, and the SST, July, p. 22.
Powered lift for land and sea, July, p. 38.
Notes from around town, July, p. 8.
The greening of aircraft technology, Aug., p. 18.
Putting the ACSYNT on aircraft design, Sept., p. 27.
Future SSTs: A European approach, Sept., p. 38.
Europe's multirole dilemma, Sept., p. 4.
NASA's blueprint for a general aviation renaissance, Oct., p. 38.
Su-35 casts shadow over new European fighters, Nov., p. 4.
Aerospace '94: Aeroacoustics, Dec., p. 24.
Aerospace '94: Air transportation, Dec., p. 30.
Aerospace '94: Aircraft operations, Dec., p. 29.
Aerospace '94: Applied aerodynamics, Dec., p. 16.
Aerospace '94: Flight testing, Dec., p. 78.
Aerospace '94: General aviation, Dec., p. 25.
Aerospace '94: Ground testing, Dec., p. 76.
Aerospace '94: Lighter-than-air, Dec., p. 32.

AVIONICS AND ELECTRONICS

Reinventing ATC, C-130s, and nuclear targets, Aug., p. 8.
Putting the ACSYNT on aircraft design, Sept., p. 27.
Silicon carbide takes the heat, Oct., p. 28.
MEMS: Macro growth for micro systems, Oct., p. 32.
Aerospace '94: Digital avionics, Dec., p. 42.
Aerospace '94: Guidance, navigation, and control, Dec., p. 19.

COMMUNICATIONS

LightSats: The coming revolution, Feb., p. 26.
New technologies get into the ACTS, April, p. 39.
Aerospace '94: Communications, Dec., p. 44.

COMPUTERS AND SOFTWARE

Computational techniques enhance vehicle design, Feb., p. 40.
A brief history of computers in aerospace, April, p. 19.
Massively parallel supercomputers: Has their time come?, May, p. 16.
New uses for radiation-resistant microcircuits, May, p. 20.
The modern-day slide rule, June, p. 18.
Space-handy PCs get down to Earth, June, p. 22.
Visualizing the flow with CFI, June, p. 24.
Symbolic mathematical engineering, July, p. 15.
Designing for manufacture and assembly, Aug., p. 14.
MacNeal-Schwendler: Acquiring market leadership, Sept., p. 19.
Online lane on the information highway, Oct., p. 17.
Silicon graphics: From start-up to 3-D leader, Nov., p. 12.
Aerospace '94: C3I, Dec., p. 35.
Aerospace '94: CAD/CAM, Dec., p. 71.
Aerospace '94: Computers, Dec., p. 38.
Aerospace '94: Design engineering, Dec., p. 74.
Aerospace '94: Flight simulation, Dec., p. 79.
Aerospace '94: Interactive computer graphics, Dec., p. 77.
Aerospace '94: Multidisciplinary design optimization, Dec., p. 28.
Aerospace '94: Software systems, Dec., p. 47.

ECONOMICS

Coping with the defense cutback, part 1, Jan., p. 20.
The space insurance industry: Does it have a future?, Jan., p. 26.
Signs point to a civil recovery, March, p. 12.
Coping with the defense cutback, part 2, March, p. 22.
European conversion goals hijacked by events, April, p. 34.
Year-end review... and a look ahead, April, p. 8.
Making NASA relevant to industry, June, p. 3.
Launch vehicle cost trends, June, p. 38.
1993 international space activities thrive amid cutbacks, June, p. 4.
Discord among new Concorde planners, June, p. 8.
U.S. aerospace industry-doing business internationally, July, p. 10.
South Africa after sanctions: Reentering the aerospace market, Sept., p. 32.
Aerospace today: The changing global picture, Oct., p. 14.

INSTRUMENTATION AND TECHNOLOGY

Clementine: Mining new uses for SDI technology, Jan., p. 38.
A cool breeze at Boeing, Feb., p. 42.
Sights for sore eyes, March, p. 10.
A team approach to rocket engine development, March, p. 13.
A salute for a job well done, March, p. 5.
A brief history of computers in aerospace, April, p. 19.
Radar traps road flaws, April, p. 22.
The European polar platform: A status report, April, p. 30.
New technologies get into the ACTS, April, p. 39.
Furor over satellite-aided landings, April, p. 4.
New uses for radiation-resistant microcircuits, May, p. 20.
Stemming the tide of strategic weapons, part 1, May, p. 28.
Perspectives on future space robotics, May, p. 32.
NASA studies access to space, May, p. 38.
Big Picture moves a step closer, May, p. 4.
Space-handy PCs get down to Earth, June, p. 22.
Visualizing the flow with CFI, June, p. 24.
Observing a failure, June, p. 28.
Vacuum RTM gains strength, Sept., p. 24.
Raytheon hits the road, Oct., p. 20.
MEMS: Macro growth for micro systems, Oct., p. 32.
Following in the footsteps of Topex-Poseidon, Nov., p. 40.
Aerospace '94: Aerodynamic measurement technology, Dec., p. 21.
Aerospace '94: Fluid dynamics, Dec., p. 12.
Aerospace '94: Sensor systems, Dec., p. 41.
Aerospace '94: Space operations and support, Dec., p. 61.

INTERNATIONAL

The right time to team with Europe, Jan., p. 10.
Mining Russia for advanced materials technology, Jan., p. 12.
Gripen crash raises canard fears, Feb., p. 10.
Europeans pursue air breathing propulsion, Feb., p. 22.
Space technologies advance in Japan, Feb., p. 36.
Signs point to a civil recovery, March, p. 12.
Japan's space hopes ride on H-II, March, p. 36.
Conflagration and confrontation, April, p. 13.
The European polar platform: A status report, April, p. 30.
European conversion goals hijacked by events, April, p. 34.
Furor over satellite-aided landings, April, p. 4.
Big Picture moves a step closer, May, p. 4.
Partners across the Pacific, May, p. 7.
1993 international space activities thrive amid cutbacks, June, p. 4.
Discord among new Concorde planners, June, p. 8.
U.S. aerospace industry-doing business internationally, July, p. 10.
Pressure on Arianespace grows, July, p. 4.
Little-known liaison lifts R&D prospects, July, p. 6.
Harnessing the winds of change, Aug., p. 35.
Russia keeps faith with GLONASS, Aug., p. 4.
Keeping up with changing times, Sept., p. 3.
South Africa after sanctions: Reentering the Future SSTs: A European approach, Sept., p. 38.
Europe's multirole dilemma, Sept., p. 4.
Japan prepares for crewed space activities, Sept., p. 6.
What 8 billion rubles will buy, Sept., p. 8.
Aerospace today: The changing global picture, Oct., p. 14.
New green laws will impact civil market, Oct., p. 4.
Su-35 casts shadow over new European fighters, Nov., p. 4.
Earth observation in Switzerland, Nov., p. 6.
Notes from abroad, Dec., p. 4.

MANAGEMENT

Partners across the Pacific, May, p. 7.
Observing a failure, June, p. 28.
Aircraft, airlines, and air traffic control, Sept., p. 16.
Zooming in on remote sensing markets, Oct., p. 22.
The urge to merge reemerges, Nov., p. 10.
Management on the fast track, Nov., p. 30.
Aerospace '94: Technical information, Dec., p. 33.

MATERIALS AND STRUCTURES

Mining Russia for advanced materials technology, Jan., p. 12.
Mach 2 and more, Jan., p. 16.
Disposing of the Cold War's waste, Jan., p. 42.
Sneaking up on nondefense applications, March, p. 32.
New diamond facets begin to shine, March, p. 42.
New uses for radiation-resistant microcircuits, May, p. 20.
No surprises, no fat, in FY95 defense budget, June, p. 12.
Composite makers teach old processes new tricks, June, p. 34.
Twisting smartly in the wind, July, p. 18.
Vacuum RTM gains strength, Sept., p. 24.
Silicon carbide takes the heat, Oct., p. 28.
Faster production processes cut CCC costs, Nov., p. 18.
Aerospace '94: Materials, Dec., p. 75.
Aerospace '94: Structures, Dec., p. 72.

MILITARY SYSTEMS

Wither ballistic missile defense?, March, p. 16.
C-17 brings new era in airlift, March, p. 26.
Massively parallel supercomputers: Has their time come?, May, p. 16.
Stemming the tide of strategic weapons, part 1, May, p. 28.
No surprises, no fat, in FY95 defense budget, June, p. 12.
Launch vehicle cost trends, June, p. 38.
Stemming the tide, Part II: Attacking nuclear proliferation, July, p. 27.
Powered lift for land and sea, July, p. 38.
Little-known liaison lifts R&D prospects, July, p. 6.

AEROSPACE AMERICA

Index
Vol. 32, Nos 1-12

Subjects

AIRCRAFT DESIGN AND TECHNOLOGY

Mach 2 and more, Jan., p. 16.
Gripen crash raises canard fears, Feb., p. 10.
A cool breeze at Boeing, Feb., p. 42.
C-17 brings new era in airlift, March, p. 26.
Massively parallel supercomputers: Has their time come?, May, p. 16.
Big Picture moves a step closer, May, p. 4.
Discord among new Concorde planners, June, p. 8.
Twisting smartly in the wind, July, p. 18.
Ozone, skin cancer, and the SST, July, p. 22.
Powered lift for land and sea, July, p. 38.
Notes from around town, July, p. 8.
The greening of aircraft technology, Aug., p. 18.
Putting the ACSYNT on aircraft design, Sept., p. 27.
Future SSTs: A European approach, Sept., p. 38.
Europe's multirole dilemma, Sept., p. 4.
NASA's blueprint for a general aviation renaissance, Oct., p. 38.
Su-35 casts shadow over new European fighters, Nov., p. 4.
Aerospace '94: Aeroacoustics, Dec., p. 24.
Aerospace '94: Air transportation, Dec., p. 30.
Aerospace '94: Aircraft operations, Dec., p. 29.
Aerospace '94: Applied aerodynamics, Dec., p. 16.
Aerospace '94: Flight testing, Dec., p. 78.
Aerospace '94: General aviation, Dec., p. 25.
Aerospace '94: Ground testing, Dec., p. 76.
Aerospace '94: Lighter-than-air, Dec., p. 32.

AVIONICS AND ELECTRONICS

Reinventing ATC, C-130s, and nuclear targets, Aug., p. 8.
Putting the ACSYNT on aircraft design, Sept., p. 27.
Silicon carbide takes the heat, Oct., p. 28.
MEMS: Macro growth for micro systems, Oct., p. 32.
Aerospace '94: Digital avionics, Dec., p. 42.
Aerospace '94: Guidance, navigation, and control, Dec., p. 19.

COMMUNICATIONS

LightSats: The coming revolution, Feb., p. 26.
New technologies get into the ACTS, April, p. 39.
Aerospace '94: Communications, Dec., p. 44.

COMPUTERS AND SOFTWARE

Computational techniques enhance vehicle design, Feb., p. 40.
A brief history of computers in aerospace, April, p. 19.
Massively parallel supercomputers: Has their time come?, May, p. 16.
New uses for radiation-resistant microcircuits, May, p. 20.
The modern-day slide rule, June, p. 18.
Space-handy PCs get down to Earth, June, p. 22.
Visualizing the flow with CFI, June, p. 24.
Symbolic mathematical engineering, July, p. 15.
Designing for manufacture and assembly, Aug., p. 14.
MacNeal-Schwendler: Acquiring market leadership, Sept., p. 19.
Online lane on the information highway, Oct., p. 17.
Silicon graphics: From start-up to 3-D leader, Nov., p. 12.
Aerospace '94: C3I, Dec., p. 35.
Aerospace '94: CAD/CAM, Dec., p. 71.
Aerospace '94: Computers, Dec., p. 38.
Aerospace '94: Design engineering, Dec., p. 74.
Aerospace '94: Flight simulation, Dec., p. 79.
Aerospace '94: Interactive computer graphics, Dec., p. 77.
Aerospace '94: Multidisciplinary design optimization, Dec., p. 28.
Aerospace '94: Software systems, Dec., p. 47.

ECONOMICS

Coping with the defense cutback, part 1, Jan., p. 20.
The space insurance industry: Does it have a future?, Jan., p. 26.
Signs point to a civil recovery, March, p. 12.
Coping with the defense cutback, part 2, March, p. 22.
European conversion goals hijacked by events, April, p. 34.
Year-end review... and a look ahead, April, p. 8.
Making NASA relevant to industry, June, p. 3.
Launch vehicle cost trends, June, p. 38.
1993 international space activities thrive amid cutbacks, June, p. 4.
Discord among new Concorde planners, June, p. 8.
U.S. aerospace industry-doing business internationally, July, p. 10.
South Africa after sanctions: Reentering the aerospace market, Sept., p. 32.
Aerospace today: The changing global picture, Oct., p. 14.

INSTRUMENTATION AND TECHNOLOGY

Clementine: Mining new uses for SDI technology, Jan., p. 38.
A cool breeze at Boeing, Feb., p. 42.
Sights for sore eyes, March, p. 10.
A team approach to rocket engine development, March, p. 13.
A salute for a job well done, March, p. 5.
A brief history of computers in aerospace, April, p. 19.
Radar traps road flaws, April, p. 22.
The European polar platform: A status report, April, p. 30.
New technologies get into the ACTS, April, p. 39.
Furor over satellite-aided landings, April, p. 4.
New uses for radiation-resistant microcircuits, May, p. 20.
Stemming the tide of strategic weapons, part 1, May, p. 28.
Perspectives on future space robotics, May, p. 32.
NASA studies access to space, May, p. 38.
Big Picture moves a step closer, May, p. 4.
Space-handy PCs get down to Earth, June, p. 22.
Visualizing the flow with CFI, June, p. 24.
Observing a failure, June, p. 28.
Vacuum RTM gains strength, Sept., p. 24.
Raytheon hits the road, Oct., p. 20.
MEMS: Macro growth for micro systems, Oct., p. 32.
Following in the footsteps of Topex-Poseidon, Nov., p. 40.
Aerospace '94: Aerodynamic measurement technology, Dec., p. 21.
Aerospace '94: Fluid dynamics, Dec., p. 12.
Aerospace '94: Sensor systems, Dec., p. 41.
Aerospace '94: Space operations and support, Dec., p. 61.

INTERNATIONAL

The right time to team with Europe, Jan., p. 10.
Mining Russia for advanced materials technology, Jan., p. 12.
Gripen crash raises canard fears, Feb., p. 10.
Europeans pursue air breathing propulsion, Feb., p. 22.
Space technologies advance in Japan, Feb., p. 36.
Signs point to a civil recovery, March, p. 12.
Japan's space hopes ride on H-II, March, p. 36.
Conflagration and confrontation, April, p. 13.
The European polar platform: A status report, April, p. 30.
European conversion goals hijacked by events, April, p. 34.
Furor over satellite-aided landings, April, p. 4.
Big Picture moves a step closer, May, p. 4.
Partners across the Pacific, May, p. 7.
1993 international space activities thrive amid cutbacks, June, p. 4.
Discord among new Concorde planners, June, p. 8.
U.S. aerospace industry-doing business internationally, July, p. 10.
Pressure on Arianespace grows, July, p. 4.
Little-known liaison lifts R&D prospects, July, p. 6.
Harnessing the winds of change, Aug., p. 35.
Russia keeps faith with GLONASS, Aug., p. 4.
Keeping up with changing times, Sept., p. 3.
South Africa after sanctions: Reentering the Future SSTs: A European approach, Sept., p. 38.
Europe's multirole dilemma, Sept., p. 4.
Japan prepares for crewed space activities, Sept., p. 6.
What 8 billion rubles will buy, Sept., p. 8.
Aerospace today: The changing global picture, Oct., p. 14.
New green laws will impact civil market, Oct., p. 4.
Su-35 casts shadow over new European fighters, Nov., p. 4.
Earth observation in Switzerland, Nov., p. 6.
Notes from abroad, Dec., p. 4.

MANAGEMENT

Partners across the Pacific, May, p. 7.
Observing a failure, June, p. 28.
Aircraft, airlines, and air traffic control, Sept., p. 16.
Zooming in on remote sensing markets, Oct., p. 22.
The urge to merge reemerges, Nov., p. 10.
Management on the fast track, Nov., p. 30.
Aerospace '94: Technical information, Dec., p. 33.

MATERIALS AND STRUCTURES

Mining Russia for advanced materials technology, Jan., p. 12.
Mach 2 and more, Jan., p. 16.
Disposing of the Cold War's waste, Jan., p. 42.
Sneaking up on nondefense applications, March, p. 32.
New diamond facets begin to shine, March, p. 42.
New uses for radiation-resistant microcircuits, May, p. 20.
No surprises, no fat, in FY95 defense budget, June, p. 12.
Composite makers teach old processes new tricks, June, p. 34.
Twisting smartly in the wind, July, p. 18.
Vacuum RTM gains strength, Sept., p. 24.
Silicon carbide takes the heat, Oct., p. 28.
Faster production processes cut CCC costs, Nov., p. 18.
Aerospace '94: Materials, Dec., p. 75.
Aerospace '94: Structures, Dec., p. 72.

MILITARY SYSTEMS

Wither ballistic missile defense?, March, p. 16.
C-17 brings new era in airlift, March, p. 26.
Massively parallel supercomputers: Has their time come?, May, p. 16.
Stemming the tide of strategic weapons, part 1, May, p. 28.
No surprises, no fat, in FY95 defense budget, June, p. 12.
Launch vehicle cost trends, June, p. 38.
Stemming the tide, Part II: Attacking nuclear proliferation, July, p. 27.
Powered lift for land and sea, July, p. 38.
Little-known liaison lifts R&D prospects, July, p. 6.

Europe's multirole dilemma, Sept., p. 4.
Su-35 casts shadow over new European fighters, Nov., p. 4.

MISSILES

Wither ballistic missile defense?, March, p. 16.
Stemming the tide of strategic weapons, part 1, May, p. 28.
Stemming the tide, Part II: Attacking nuclear proliferation, July, p. 27.
Aerospace '94: Missiles, Dec., p. 59.

POLICY

The right time to team with Europe, Jan., p. 10.
Coping with the defense cutback, part 1, Jan., p. 20.
The Challenge of space, Jan., p. 5.
Outlook for space technology, Feb., p. 5.
Coping with the defense cutback, part 2, March, p. 22.
Conflagration and confrontation, April, p. 13.
A new look and a new outlook, April, p. 3.
NASA budget request cuts close to the bone, May, p. 10.
Reflections on the future of the space program, May, p. 22.
The aerospace industry in a changing world, May, p. 3.
NASA studies access to space, May, p. 38.
Making NASA relevant to industry, June, p. 3.
1993 international space activities thrive amid cutbacks, June, p. 4.
Stemming the tide, Part II: Attacking nuclear proliferation, July, p. 27.
Why the Moon, July, p. 3.
Notes from around town, July, p. 8.
Choosing the right energy path, Aug., p. 20.
Conservation, efficiency, and the environment, Aug., p. 23.
Terrestrial energy opportunities, Aug., p. 3.
Reinventing ATC, C-130s, and nuclear targets, Aug., p. 8.
Aircraft, airlines, and air traffic control, Sept., p. 16.
Zooming in on remote sensing markets, Oct., p. 22.
Create jobs? Fund R&D!, Oct., p. 3.
NASA's blueprint for a general aviation renaissance, Oct., p. 38.
New green laws will impact civil market, Oct., p. 4.
Military readiness, capability questioned, Oct., p. 9.
The urge to merge reemerges, Nov., p. 10.
The space business and national security: An evolving partnership, Nov., p. 24.
Progress and privacy, Nov., p. 3.
Don't let hype kill again!, Dec., p. 3.

PROPULSION AND POWER

Europeans pursue air breathing propulsion, Feb., p. 22.
A team approach to rocket engine development, March, p. 13.
C-17 brings new era in airlift, March, p. 26.
Japan's space hopes ride on H-II, March, p. 36.
SSTO rockets: A practical possibility, July, p. 33.
Pressure on Arianespace grows, July, p. 4.
Choosing the right energy path, Aug., p. 20.
Conservation, efficiency, and the environment, Aug., p. 23.
Understanding combustion processes, Aug., p. 26.
Straining for long-range solutions, Aug., p. 33.
Harnessing the winds of change, Aug., p. 35.
Microgravity work yields clues about thermal processes, Aug., p. 40.
Electromagnetic turbines generate high performance, Aug., p. 42.
SSTO rockets: Streamlining access to space, Nov., p. 34.
Aerospace '94: Aerospace power, Dec., p. 53.
Aerospace '94: Air breathing propulsion, Dec., p. 56.
Aerospace '94: Electric propulsion, Dec., p. 58.
Aerospace '94: Hybrid rockets, Dec., p. 55.
Aerospace '94: Liquid propulsion, Dec., p. 54.
Aerospace '94: Nuclear thermal propulsion, Dec., p. 49.
Aerospace '94: Propellants and combustion, Dec., p. 52.
Aerospace '94: Solid rockets, Dec., p. 50.
Aerospace '94: Terrestrial energy, Dec., p. 51.
Aerospace '94: Thermophysics, Dec., p. 15.

ROBOTICS

Perspectives on future space robotics, May, p. 32.

SPACE AND ATMOSPHERIC SCIENCE

Perspectives on future space systems, Feb., p. 14.
Future science payloads face technology challenges, Feb., p. 30.
A salute for a job well done, March, p. 5.
Comet heads for collision with Jupiter, April, p. 24.
Ozone, skin cancer, and the SST, July, p. 22.
Disposing of an environmental hazard, Aug., p. 29.
Terrestrial energy opportunities, Aug., p. 3.
Microgravity work yields clues about thermal processes, Aug., p. 40.
Four by Hubble, Nov., p. 20.
Following in the footsteps of Topex-Poseidon, Nov., p. 40.
Earth observation in Switzerland, Nov., p. 6.
Aerospace '94: Aerospace maintenance, Dec., p. 40.
Aerospace '94: Astrodynamics, Dec., p. 22.
Aerospace '94: Atmospheric flight mechanics, Dec., p. 18.
Aerospace '94: Balloons, Dec., p. 23.
Aerospace '94: Life sciences, Dec., p. 64.
Aerospace '94: Plasmadynamics and lasers, Dec., p. 14.
Aerospace '94: Space logistics, Dec., p. 34.
Aerospace '94: Space processing, Dec., p. 68.
Aerospace '94: Space sciences and astronomy, Dec., p. 66.
Aerospace '94: Space systems, Dec., p. 62.
Aerospace '94: Structural dynamics, Dec., p. 70.

SPACE STATION

NASA budget request cuts close to the bone, May, p. 10.
Reflections on the future of the space program, May, p. 22.
The aerospace industry in a changing world, May, p. 3.
What 8 billion rubles will buy, Sept., p. 8.

SPACE TRANSPORTATION

Perspectives on future space systems, Feb., p. 14.
Future single-stage rockets: Reusable and reliable, Feb., p. 18.
Europeans pursue air breathing propulsion, Feb., p. 22.
NASA budget request cuts close to the bone, May, p. 10.
Reflections on the future of the space program, May, p. 22.
NASA studies access to space, May, p. 38.
Why the Moon, July, p. 3.
SSTO rockets: A practical possibility, July, p. 33.
Japan prepares for crewed space activities, Sept., p. 6.
SSTO rockets: Streamlining access to space, Nov., p. 34.
Don't let hype kill again!, Dec., p. 3.
Aerospace '94: Space transportation, Dec., p. 69.

SPACECRAFT

Magellan: Aerobraking at Venus, Jan., p. 32.
Clementine: Mining new uses for SDI technology, Jan., p. 38.
Perspectives on future space systems, Feb., p. 14.
Future single-stage rockets: Reusable and reliable, Feb., p. 18.
LightSats: The coming revolution, Feb., p. 26.
Future science payloads face technology challenges, Feb., p. 30.
Space technologies advance in Japan, Feb., p. 36.
Computational techniques enhance vehicle design, Feb., p. 40.
Japan's space hopes ride on H-II, March, p. 36.
The European polar platform: A status report, April, p. 30.
New technologies get into the ACTS, April, p. 39.
Perspectives on future space robotics, May, p. 32.
Observing a failure, June, p. 28.
Launch vehicle cost trends, June, p. 38.
Pressure on Arianespace grows, July, p. 4.
Russia keeps faith with GLONASS, Aug., p. 4.
Japan prepares for crewed space activities, Sept., p. 6.
Zooming in on remote sensing markets, Oct., p. 22.
Four by Hubble, Nov., p. 20.
Following in the footsteps of Topex-Poseidon, Nov., p. 40.

FACE TO FACE/CONVERSATIONS

with Rep. John Murtha, Jan., p. 6.
with Wesley Huntress, Feb., p. 6.
with Brian Rowe, March, p. 6.
with Rep. Robert S. Walker, April, p. 16.
with W. Bowman Cutter, May, p. 12.
with Guion Bluford, Jr., June, p. 16.
with Anita Jones, July, p. 12.
with Sheila Widnall, Aug., p. 10.
with Jack Lin, Sept., p. 22.
with William Perry, Oct., p. 11.
with Edward Weiler, Nov., p. 15.

Authors

A

AUSTIN, R., See Bekey, et al., May, p. 38.
AUSTIN, R., and COOK, S. SSTO rockets: Streamlining access to space, Nov., p. 34.
AVEDISIAN, C.T., Microgravity work yields clues about thermal processes, Aug., p. 40.

B

BEKEY, I., SSTO rockets: A practical possibility, July, p. 33.
BEKEY, N., POWELL, R., and AUSTIN, R. NASA studies access to space, May, p. 38.
BENSON, J., with Anita Jones, July, p. 12.
BENSON, J., with Sheila Widnall, Aug., p. 10.
BENSON, J., with Brian Rowe, March, p. 6.
BENSON, J., with Edward Weiler, Nov., p. 15.
BENSON, J., with Guion Bluford, Jr., June, p. 16.
BENSON, J., with Jack Lin, Sept., p. 22.
BENSON, J., with Rep. John Murtha, Jan., p. 6.
BENSON, J., with Rep. Robert S. Walker, April, p. 16.
BENSON, J., with W. Bowman Cutter, May, p. 12.
BENSON, J., with Wesley Huntress, Feb., p. 6.
BENSON, J., with William Perry, Oct., p. 11.
BICOS, A., See Sable, et al. Feb., p. 30.
BINDER, J., A brief history of computers in aerospace, April, p. 19.
BINDER, J., Designing for manufacture and assembly, Aug., p. 14.
BINDER, J., MacNeal-Schwendler: Acquiring market leadership, Sept., p. 19.
BINDER, J., Massively parallel supercomputers: Has their time come? May, p. 16.
BINDER, J., Online lane on the information highway, Oct., p. 17.
BINDER, J., Silicon graphics: From start-up to 3-D leader, Nov., p. 12.
BINDER, J., Symbolic mathematical engineering, July, p. 15.
BINDER, J., The modern-day slide rule, June, p. 18.
BONDI, H., The challenge of space, Jan., p. 5.
BROWN, A., Composite makers teach old processes new tricks, June, p. 34.
BROWN, A., Faster production processes cut CCC costs, Nov., p. 18.
BROWN, A., MEMS: Macro growth for micro systems, Oct., p. 32.
BROWN, A., Mining Russia for advanced materials technology, Jan., p. 12.
BROWN, A., New diamond facets begin to shine, March, p. 42.

BROWN, A., New uses for radiation-resistant microcircuits, May, p. 20.
BROWN, A., Sneaking up on nondefense applications, March, p. 32.
BROWN, A., Vacuum RTM gains strength, Sept., p. 24.
BURNETT, D., and REHDER, J., Computational techniques enhance vehicle design, Feb., p. 40.
BUTTERWORTH-HAYES, P., Big Picture moves a step closer, May, p. 4.
BUTTERWORTH-HAYES, P., Discord among new Concorde planners, June, p. 8.
BUTTERWORTH-HAYES, P., Europe's multirole dilemma, Sept., p. 4.
BUTTERWORTH-HAYES, P., Furor over satellite-aided landings, April, p. 4.
BUTTERWORTH-HAYES, P., Gripen crash raises canard fears, Feb., p. 10.
BUTTERWORTH-HAYES, P., New green laws will impact civil market, Oct., p. 4.
BUTTERWORTH-HAYES, P., Notes from abroad, Dec., p. 4.
BUTTERWORTH-HAYES, P., Pressure on Arianespace grows, July, p. 4.
BUTTERWORTH-HAYES, P., Russia keeps faith with GLONASS, Aug., p. 4.
BUTTERWORTH-HAYES, P., Signs point to a civil recovery, March, p. 12.
BUTTERWORTH-HAYES, P., Su-35 casts shadow over new European fighters, Nov., p. 4.
BUTTERWORTH-HAYES, P., The right time to team with Europe, Jan., p. 10.
BUTTERWORTH-HAYES, P., European conversion goals hijacked by events, April, p. 34.

C

CAMHI, E., A salute for a job well done, March, p. 5.
CAMHI, E., Keeping up with changing times, Sept., p. 3.
CAMHI, E., Progress and privacy, Nov., p. 3.
CAMHI, E., The aerospace industry in a changing world, May, p. 3.
CENDRAL, J., The European polar platform: A status report, April, p. 30.
COOK, S., See Austin, R., Nov., p. 34.
COPPER, J., FANCIULLO, T., PARSLEY, R., and VAN DALSEM, W., Future single-stage rockets: Reusable and reliable, Feb., p. 18.
CURTIS, H., Magellan: Aerobraking at Venus, Jan., p. 32.

D

DAVID, L., Observing a failure, June, p. 28.
DAVIS, N., Japan prepares for crewed space activities, Sept., p. 6.
DAVIS, N., Japan's space hopes ride on H-II, March, p. 36.
DeMEIS, R., A cool breeze at Boeing, Feb., p. 42.
DeMEIS, R., Radar traps road flaws, April, p. 22.
DeMEIS, R., Raytheon hits the road, Oct., p. 20.
DeMEIS, R., Space-handy PCs get down to Earth, June, p. 22.
DeMEIS, R., The greening of aircraft technology, Aug., p. 18.
DORR, R., Aircraft, airlines, and air traffic control, Sept., p. 16.
DORR, R., Conflagration and confrontation, April, p. 13.
DORR, R., Military readiness, capability questioned, Oct., p. 9.
DORR, R., NASA budget request cuts close to the bone, May, p. 10.
DORR, R., No surprises, no fat, in FY95 defense budget, June, p. 12.
DORR, R., Reinventing ATC, C-130s, and nuclear targets, Aug., p. 8.
DORR, R., The urge to merge reemerges, Nov., p. 10
DORR, R., Notes from around town, July, p. 8.
DOTSON, R., See Sable, et al. Feb., p. 30.
DUBYN, S., See Schubert, et al. Feb., p. 26.
DYER, J., Coping with the defense cutback, part 1, Jan., p. 20.
DYER, J., Coping with the defense cutback, part 2, March, p. 22.

E

ETHELL, J., NASA's blueprint for a general aviation renaissance, Oct., p. 38.
ETHELL, J., South Africa after sanctions: Reentering the aerospace market, Sept., p. 32.

F

FANCIULLO, T., See Copper, et al., Feb., p. 18.
FISK, L., Reflections on the future of the space program, May, p. 22.
FOLEY, T., Comet heads for collision with Jupiter, April, p. 24.
FOLEY, T., Stemming the tide of strategic weapons, part 1, May, p. 28
FOLEY, T., Stemming the tide, Part II: Attacking nuclear proliferation, July, p. 27.
FOLEY, T., Zooming in on remote sensing markets, Oct., p. 22.
FORCE, C., Why the Moon, July, p. 3.

G

GARFINKLE, M., Twisting smartly in the wind, July, p. 18.
GEDNEY, R., New technologies get into the ACTS, April, p. 39.
GELHAUSEN, P., See Myklebust, A., Sept., p. 27.
GOUSE, W., Choosing the right energy path, Aug., p. 20.
GREENBERG, J., and STEEN, R., The space insurance industry: Does it have a future?, Jan., p. 26.
GREY, J., Create jobs? Fund R&D!, Oct., p. 3.
GREY, J., Wither ballistic missile defense?, March, p. 16.
GREY, J., Don't let hype kill again!, Dec., p. 3.
GUPTA, A., Disposing of an environmental hazard, Aug., p. 29.
GUPTA, A., Terrestrial energy opportunities, Aug., p. 3.

H

HANLEY, A., Disposing of the Cold War's waste, Jan., p. 42.
HANLEY, A., Powered lift for land and sea, July, p. 38.
HAVENER, G., and YATES, L., Visualizing the flow with CFI, June, p. 24.
HERTZFELD, H., See Ojalehto, G., June, p. 4.
HOCK, S., See Lowson, et al., Aug., p. 35.

I

ITO, T., See Nomura, et al., Feb., p. 36.

J

JACKSON, W.D., Electromagnetic turbines generate high performance, Aug., p. 42.

L

LANDSBERG, D., Conservation, efficiency, and the environment, Aug., p. 23.
LARUELLE, G., PARKINSON, R., SACHER, P., and SHKADOV, L., Europeans pursue air breathing propulsion, Feb., p. 22.
LAVERY, D., Perspectives on future space robotics, May, p. 32.
LEWIS, M., A new look and a new outlook, April, p. 3.
LILLEY, D., Understanding combustion processes, Aug., p. 26.
LOPEZ, V., U.S. aerospace industry—doing business internationally, July, p. 10.
LOWSON, M., HOCK, S., and THRESHER, R., Harnessing the winds of change, Aug., p. 35.

M

MARK, H., C-17 brings new era in airlift, March, p. 26.
METZGER, W., See Sable, et al., Feb., p. 30.
MINSTER, J., Following in the footsteps of Topex-Poseidon, Nov., p. 40.
MYKLEBUST, A., and GELHAUSEN, P., Putting the ACSYNT on aircraft design, Sept., p. 27.

N

NAKATANI, I., See Nomura, et al., Feb., p. 36.
NAPIER, D., Year-end review... and a look ahead, April, p. 8.
NOMURA, S., NAKATANI, I., and ITO, T., Space technologies advance in Japan, Feb., p. 36.
NOOR, A., and VENNERI, S., Outlook for space technology, Feb., p. 5.
NOOR, A., and VENNERI, S., Perspectives on future space systems, Feb., p. 14.

O

OJALEHTO, G., and HERTZFELD, H., 1993 international space activities thrive amid cutbacks, June, p. 4.

P

PARKINSON, R., See Laruelle, et al., Feb., p. 22.
PARSLEY, R., See Copper, et al., Feb., p. 18.
PIELLISCH, R., Little-known liaison lifts R&D prospects, July, p. 6.
PIELLISCH, R., Mach 2 and more, Jan., p. 16.
PIELLISCH, R., Partners across the Pacific, May, p. 7.
PIELLISCH, R., Silicon carbide takes the heat, Oct., p. 28.
POISSON-QUINTON, P., Future SSTs: A European approach, Sept., p. 38.
POSSEHL, S., What 8 billion rubles will buy, Sept., p. 8.
POWELL, R., See Bekey, et al., May, p. 38.

R

REHDER, J., See Burnett, D., Feb., p. 40.
ROCKEFELLER, J., Making NASA relevant to industry, June, p. 3.
ROY, G., Straining for long-range solutions, Aug., p. 33.
RUSTAN, P., Clementine: Mining new uses for SDI technology, Jan., p. 38.
RUTLEDGE, W., Launch vehicle cost trends, June, p. 38.

S

SABLE, W., METZGER, W., BICOS, A., and DOTSON, R., Future science payloads face technology challenges, Feb., p. 30.
SACHER, P., See Laruelle, et al., Feb., p. 22.
SCHUBERT, R., STUART, J., and DUBYN, S., LightSats: The coming revolution, Feb., p. 26.
SHKADOV, L., See Laruelle, et al., Feb., p. 22.
SINGER, F., Ozone, skin cancer, and the SST, July, p. 22.
SPONABLE, J., See Worden, S.P., Nov., p. 30.
STEEN, R., See Greenberg, J., Jan., p. 26.
STUART, J., See Schubert, et al., Feb., p. 26.
STUDEMAN, W., The space business and national security: An evolving partnership, Nov., p. 24.

T

TAYLOR, D., Earth observation in Switzerland, Nov., p. 6.

V

VADAS, D., Aerospace today: The changing global picture, Oct., p. 14.
VAN DALSEM, W., See Copper, et al., Feb., p. 18.
VENNERI, S., See Noor, A., Feb., p. 14.

W

WITT, D., A team approach to rocket engine development, March, p. 13.
WORDEN, S.P., and SPONABLE, J., Management on the fast track, Nov., p. 30.

Y

YATES, L., See Havener, G., June, p. 24.